FIGURE 1

FIGURE 2

Web-based
Submission
Form
—
Database
Server

Submit 2 vials

1   1

Thaw hybridoma
grow in culture

Liquid N2
Cell Bank
#1

Freeze cells

| Isotype Mab |
| Ig production |
| Mycoplasma pcr |
| Clone |
| Produce Sup. |

Liquid N2
Cell Bank
#2

Aliquot

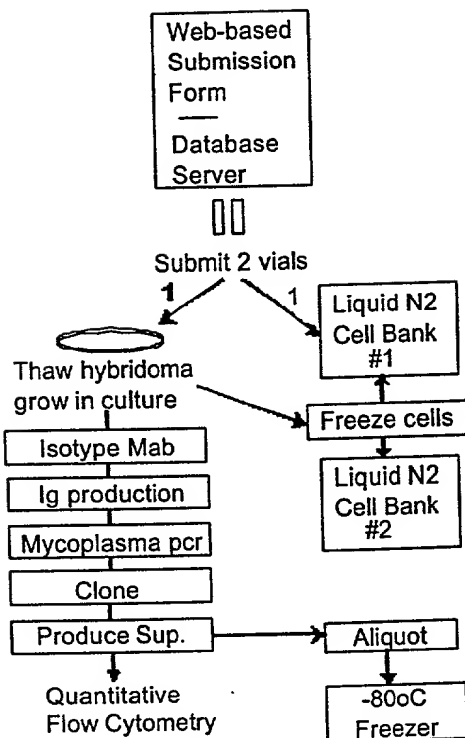Quantitative
Flow Cytometry

-80oC
Freezer

FIGURE 3

non-DSP#1

DSP

non-DSP#2

% Error

Log Value

FIGURE 4

FIGURE 5

FIGURE 6

Subpopulations

Subpopulations

Reference Panel

Reference Panel

Cell Types
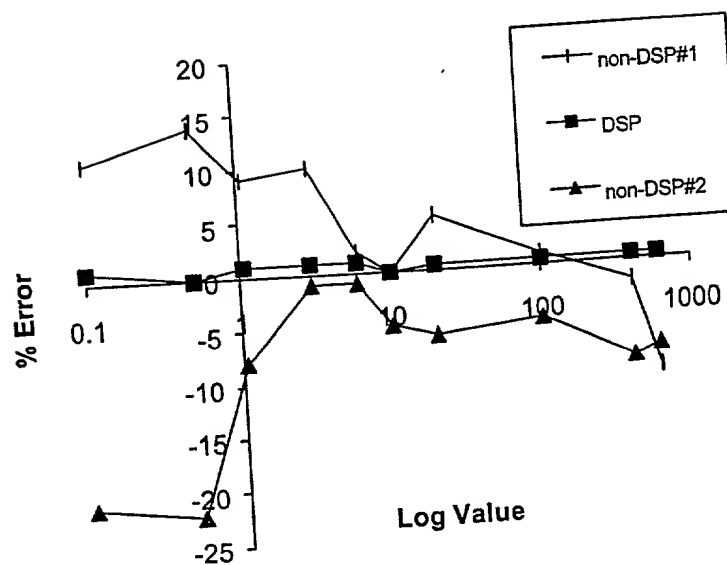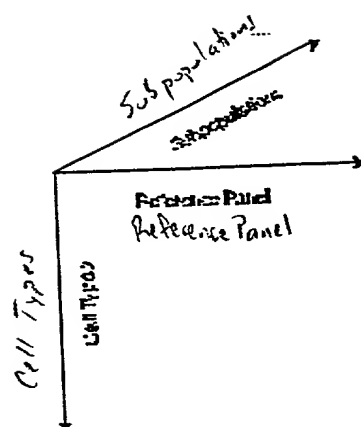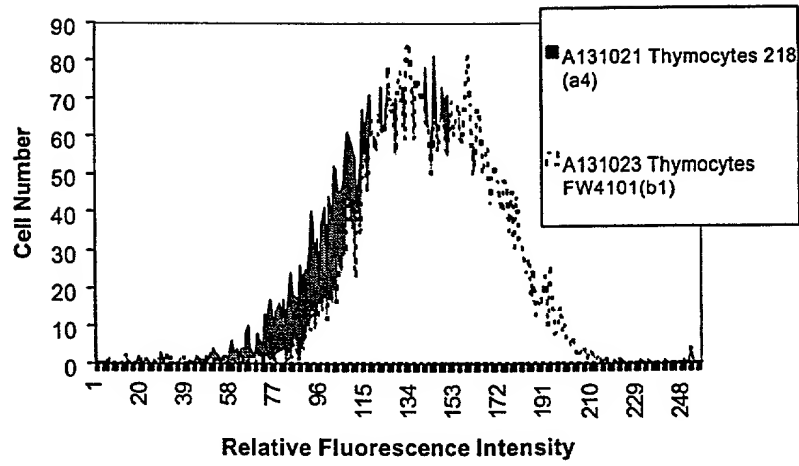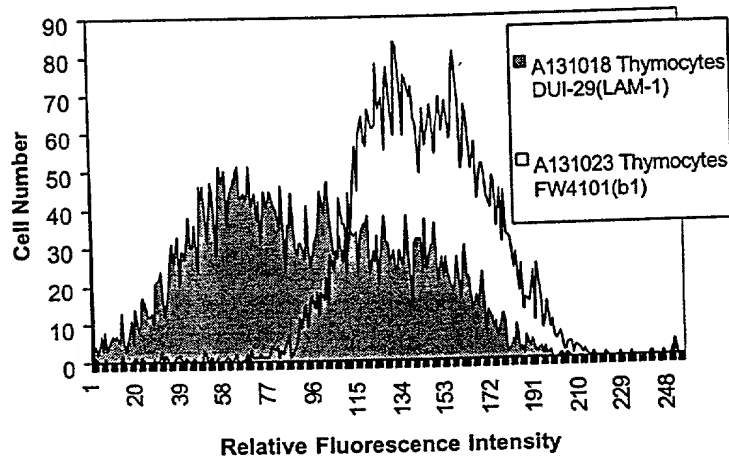
Cell Types

FIGURE 7

FIGURE 8

FIGURE 9
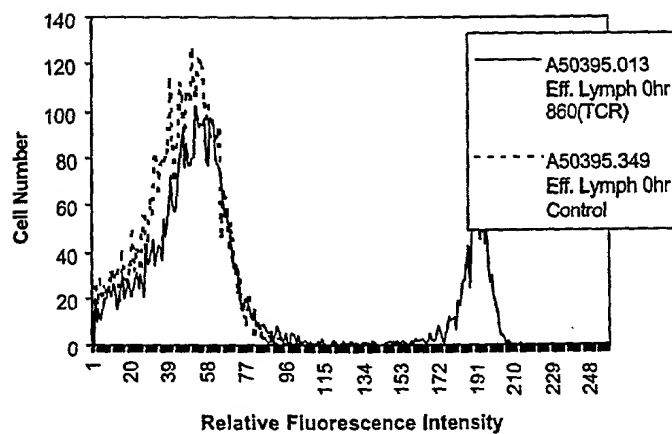
FIGURE 10
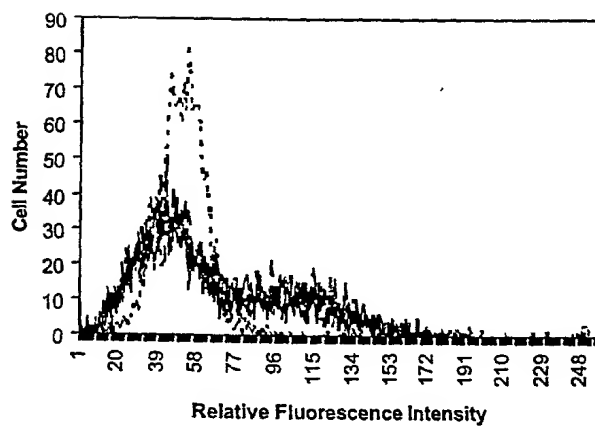
FIGURE 11
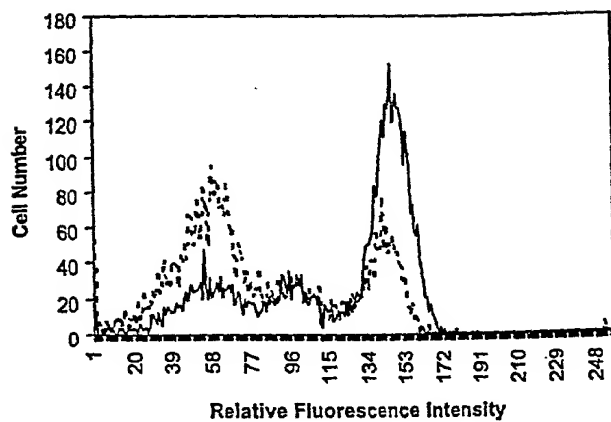
FIGURE 12

	Molecular subunits	Histogram matching
Cell type 1	$\alpha1\beta1$	Identical
Cell type 2	$\alpha1\beta1$	Identical
Cell type 3	$\alpha2\beta1$	Discordant

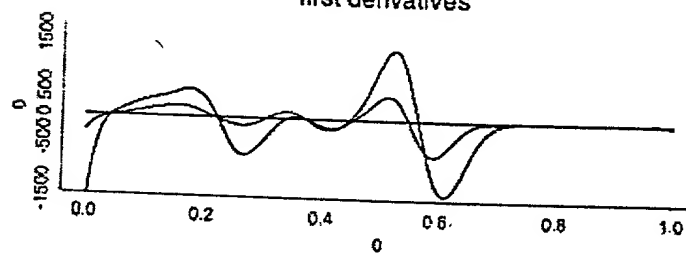FIGURE 13

smoothed histograms
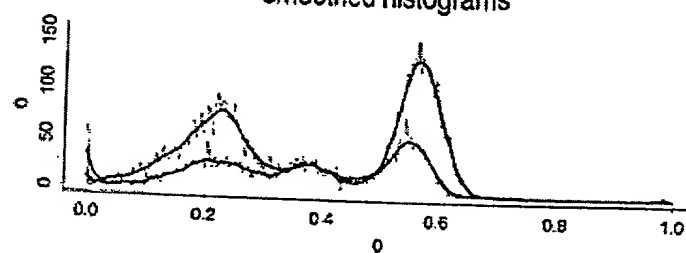
first derivatives

FIGURE 14

$$\overline{\frac{1}{nh}\sum_{i=1}^{n}K\left(\frac{x_i - x}{h}\right)}$$
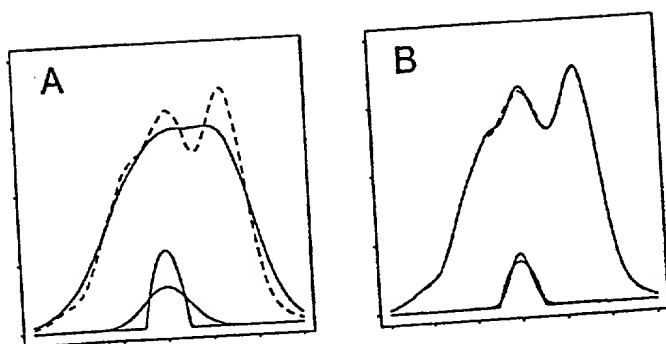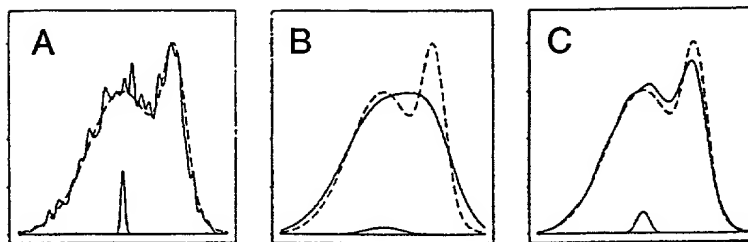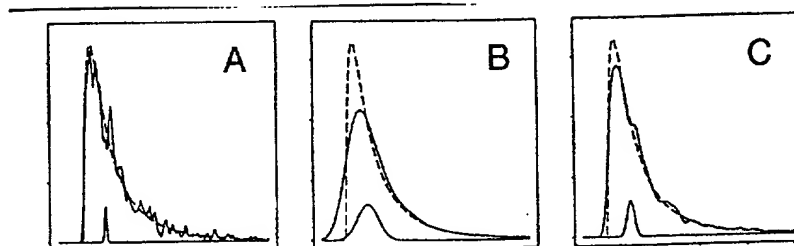
FIGURE 15

FIGURE 16

FIGURE 17

FIGURE 18

$$\frac{1}{nh}\sum_{i=1}^{M}K\left(\frac{g_i - x}{h}\right)c_i \quad (1)$$

FIGURE 19

$$K'(u) = \frac{d}{du} K(u)$$

FIGURE 20

$$\frac{-1}{nh^2} \sum_{i=1}^{M} K\left(\frac{g_i - x}{h}\right) c_i$$

FIGURE 21

$$\frac{1}{nh^3} \sum_{i=1}^{M} K''\left(\frac{g_i - x}{h}\right)$$
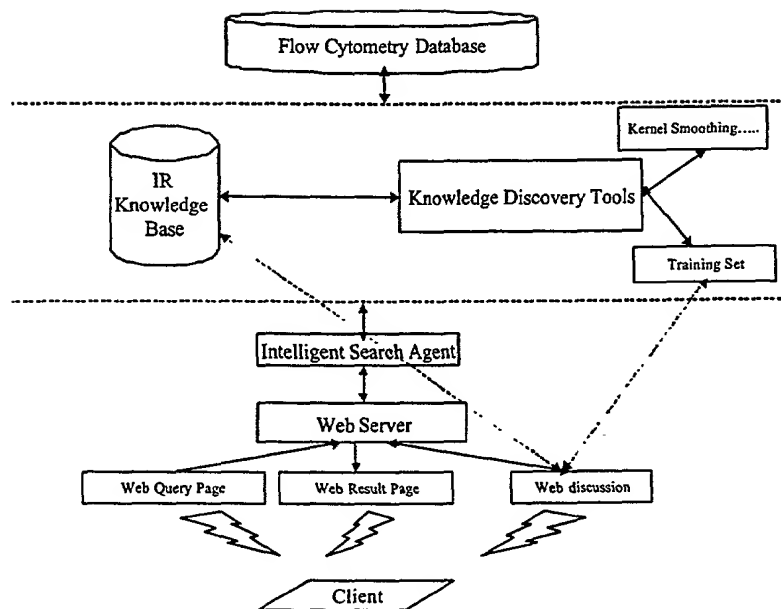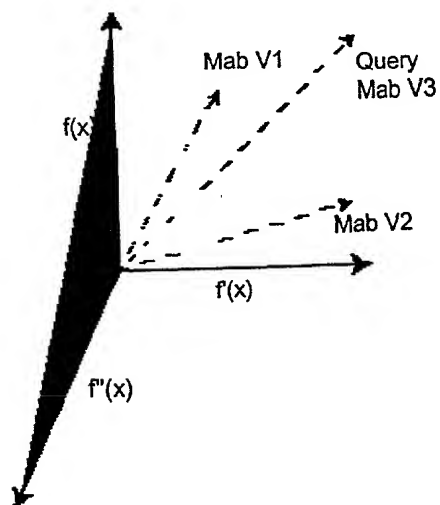
FIGURE 22

FIGURE 23

FIGURE 24